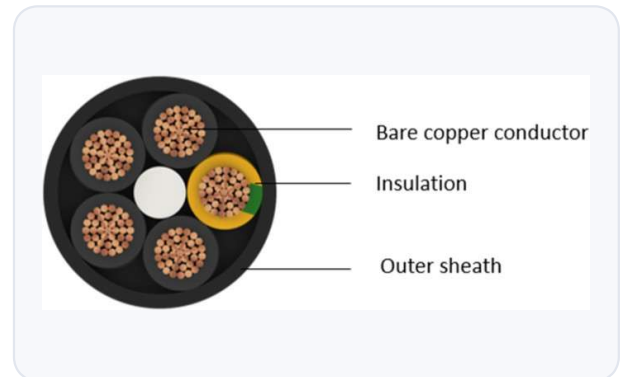
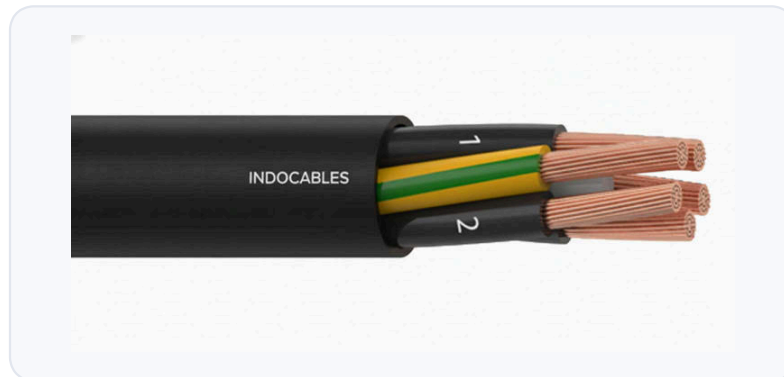


MULTICORE FLEXIBLE CONTROL CABLE · CLASS 5 COPPER · PVC INSULATED · BLACK PVC SHEATH · IEC 60502-1

INDOCABLES CLASSIC 110 BLACK CONTROL CABLE

600/1000 V AC



Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES CLASSIC 110 BLACK, fine wire flexible copper conductor, PVC insulated and PVC outer sheath is designed to use in plant engineering, industrial machinery, heating & air conditioning system, power station. It is also suitable to use for fixed installation & occasional flexing at free, torsional application in wind turbine and for power chain drive.

CONSTRUCTION

- 01 Conductor:** Fine wire stranded bare copper conductor as per IEC 60228/VDE 0295, class 5
- 02 Insulation:** In-house developed special PVC compound
- 03 Laid up:** insulated core laid suitably
- 04 Sheath:** In-house developed PVC compound. (Colour: Black)

CHARACTERISTICS

VOLTAGE RATING	U_0/U : 600/1000 V
OPERATION TEMPERATURE	Occasional flexing -5°C to +70°C Fixed installation -40°C to +80°C
CORE IDENTIFICATION	Black with white numbering according to VDE 0293-334
BENDING RADIUS	Occasional flexing 15 x Overall diameter Fixed installation 4 x Overall diameter
TEST VOLTAGE	3.5 kV

OUTSTANDING FEATURES


FLAME RETARDANT

UV RESISTANT

HEAT RESISTANT

STANDARD FOLLOWS

IEC 60228/VDE 0295

IEC 60502-1

BS 6231

COMPLIANCE

Conductor resistance IEC 60228

Flame retardant IEC 60332-1-2

ACCREDITATIONS & APPROVAL



ISI



ISO 9001

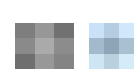


Make in India

CM/L 6200267409

TABLE 1 WEIGHT & DIMENSION DATA

PRODUCT CODE	NO. OF CORE AND CROSS SECTION AREA n x mm ²	OVERALL DIAMETER (APPROX.) mm	WEIGHT (APPROX.) Kg/km
0.75 MM² CONDUCTOR			
IC-CT-02-00075-CU-PVC-YY-0660-IEC60502P1-FR-UV	2 X 0.75	8.2	93
IC-CT-03-00075-CU-PVC-YY-0660-IEC60502P1-FR-UV	3 G 0.75	8.7	107
IC-CT-03-00075-CU-PVC-YY-0660-IEC60502P1-FR-UV *	3 X 0.75	8.7	107
IC-CT-04-00075-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 0.75	9.5	129
IC-CT-05-00075-CU-PVC-YY-0660-IEC60502P1-FR-UV	5 G 0.75	10.5	139
IC-CT-07-00075-CU-PVC-YY-0660-IEC60502P1-FR-UV	7 G 0.75	11.4	172
IC-CT-12-00075-CU-PVC-YY-0660-IEC60502P1-FR-UV	12 G 0.75	15	278
IC-CT-18-00075-CU-PVC-YY-0660-IEC60502P1-FR-UV	18 G 0.75	17.6	396
IC-CT-41-00075-CU-PVC-YY-0660-IEC60502P1-FR-UV	41 G 0.75	25.9	819
1 MM² CONDUCTOR			
IC-CT-02-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV	2 X 1	8.4	101
IC-CT-03-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV	3 G 1	8.9	117
IC-CT-03-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV *	3 X 1	8.9	117
IC-CT-04-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 1	9.8	142



PRODUCT CODE	NO. OF CORE AND CROSS SECTION AREA n x mm ²	OVERALL DIAMETER (APPROX.) mm	WEIGHT (APPROX.) Kg/km
IC-CT-04-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV *	4 X 1	9.8	142
IC-CT-05-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV	5 G 1	10.8	154
IC-CT-07-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV	7 G 1	11.7	192
IC-CT-12-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV	12 G 1	15.5	312
IC-CT-18-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV	18 G 1	18.2	447
IC-CT-25-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV	25 G 1	21.4	600
IC-CT-34-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV	34 G 1	24.6	784
IC-CT-41-00100-CU-PVC-YY-0660-IEC60502P1-FR-UV	41 G 1	26.7	931

1.5 MM² CONDUCTOR

IC-CT-02-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	2 X 1.5	10	144
IC-CT-03-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	3 G 1.5	10.5	165
IC-CT-03-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV *	3 X 1.5	10.5	165
IC-CT-04-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 1.5	11.3	197
IC-CT-05-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	5 G 1.5	12.3	213
IC-CT-07-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	7 G 1.5	13.3	261
IC-CT-12-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	12 G 1.5	17	406
IC-CT-14-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	14 G 1.5	17.8	461
IC-CT-18-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	18 G 1.5	19.7	566
IC-CT-25-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	25 G 1.5	22.9	746
IC-CT-34-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	34 G 1.5	26.1	962
IC-CT-50-00150-CU-PVC-YY-0660-IEC60502P1-FR-UV	50 G 1.5	30	1359

2.5 MM² CONDUCTOR

IC-CT-02-00250-CU-PVC-YY-0660-IEC60502P1-FR-UV	2 X 2.5	11	182
IC-CT-03-00250-CU-PVC-YY-0660-IEC60502P1-FR-UV	3 G 2.5	11.6	213
IC-CT-04-00250-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 2.5	12.6	256
IC-CT-04-00250-CU-PVC-YY-0660-IEC60502P1-FR-UV *	4 x 2.5	12.6	256
IC-CT-05-00250-CU-PVC-YY-0660-IEC60502P1-FR-UV	5 G 2.5	13.7	278
IC-CT-07-00250-CU-PVC-YY-0660-IEC60502P1-FR-UV	7 G 2.5	14.8	347
IC-CT-12-00250-CU-PVC-YY-0660-IEC60502P1-FR-UV	12 G 2.5	19.1	548
IC-CT-14-00250-CU-PVC-YY-0660-IEC60502P1-FR-UV	14 G 2.5	20	626
IC-CT-18-00250-CU-PVC-YY-0660-IEC60502P1-FR-UV	18 G 2.5	22.2	776
IC-CT-25-00250-CU-PVC-YY-0660-IEC60502P1-FR-UV	25 G 2.5	25.9	1031



PRODUCT CODE	NO. OF CORE AND CROSS SECTION AREA n x mm ²	OVERALL DIAMETER (APPROX.) mm	WEIGHT (APPROX.) Kg/km
4 MM² CONDUCTOR			
IC-CT-04-00400-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 4	13.8	333
IC-CT-05-00400-CU-PVC-YY-0660-IEC60502P1-FR-UV	5 G 4	15	364
IC-CT-07-00400-CU-PVC-YY-0660-IEC60502P1-FR-UV	7 G 4	16.3	461
6 MM² CONDUCTOR			
IC-CT-04-00600-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 6	15.2	433
IC-CT-05-00600-CU-PVC-YY-0660-IEC60502P1-FR-UV	5 G 6	16.7	475
IC-CT-07-00600-CU-PVC-YY-0660-IEC60502P1-FR-UV	7 G 6	18.1	608
10 MM² CONDUCTOR			
IC-CT-04-01000-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 10	18.4	676
IC-CT-05-01000-CU-PVC-YY-0660-IEC60502P1-FR-UV	5 G 10	20.2	740
16 MM² CONDUCTOR			
IC-CT-04-01600-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 16	21	957
IC-CT-05-01600-CU-PVC-YY-0660-IEC60502P1-FR-UV	5 G 16	23.1	1043
IC-CT-07-01600-CU-PVC-YY-0660-IEC60502P1-FR-UV	7 G 16	25.3	1371
25 MM² CONDUCTOR			
IC-CT-04-02500-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 25	25.1	1422
IC-CT-05-02500-CU-PVC-YY-0660-IEC60502P1-FR-UV	5 G 25	27.8	1556
35 MM² CONDUCTOR			
IC-CT-04-03500-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 35	27.9	1889
IC-CT-05-03500-CU-PVC-YY-0660-IEC60502P1-FR-UV	5 G 35	31	2090
50 MM² CONDUCTOR			
IC-CT-04-05000-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 50	32.8	2661
70 MM² CONDUCTOR			
IC-CT-04-07000-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 70	37.2	3610
95 MM² CONDUCTOR			
IC-CT-04-09500-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 95	42.1	4706
120 MM² CONDUCTOR			
IC-CT-04-12000-CU-PVC-YY-0660-IEC60502P1-FR-UV	4 G 120	46.3	5856

The above data is approximate & subject to manufacturing tolerance.

Product codes follow the Indo Cables product-code structure: IC – LINE – CORES – SIZE – CONDUCTOR – INSULATION – DESIGNATION – VOLTAGE – STANDARD – OPTION. CT denotes the control-cable line, YY the copper / PVC insulated / PVC sheathed unarmoured construction, 0660 the 600/1000 V grade, FR the flame-retardant compound and UV the UV-resistant sheath. Rows are grouped by conductor size; every value is reproduced from the source sheet. All 57 distinct codes on this sheet are derived from the code structure and are pending entry in the Item Master. * marks a row that repeats the code of the row above it.

FLAGGED FOR CONFIRMATION

- 01 No row on this sheet is in the register. The Item Master holds 672 control-cable items, every one of them on IS 7098 Part 1, IS 1554 Part 1 or IS 17505 Part 1 at 1100 V; none on IEC 60502-1, none at the 600/1000 V grade. All 57 distinct codes are derived from the code structure and need typed rows before these items go ACTIVE.
- 02 Every old code on the source sheet ends BS6231, and the Standard-follows block lists three standards: IEC 60228/VDE 0295, IEC 60502-1 and BS 6231. The code carries one. These codes carry IEC60502P1, the register's value for IEC 60502-1; the STANDARD block on tab 5 REF TABLES has no BS 6231 value, and sheet CC-09 derived BS6231 for its own items. Confirm which standard governs this item.
- 03 The DESIGNATION block holds no value for a class 5 flexible multicore at 600/1000 V. H05VK, used on sheets CC-07, CC-12 and CC-13, is defined in the register as 300/500 V. These codes therefore carry YY — Cu / PVC insulated / PVC sheathed, unarmoured — which describes the construction but not the fine-wire class 5 conductor. Confirm YY, or add a flexible 600/1000 V designation to tab 5.
- 04 Five of the twelve core counts on this sheet are absent from the CORES block on tab 5: 18, 25, 34, 41 and 50. They must be typed into that block before the workbook can build these codes.
- 05 The structure allows two options. FR carries the flame-retardant compliance line (IEC 60332-1-2) and UV the UV resistance; the sheet's ozone-resistant and heat-resistant claims have no option codes and are not carried anywhere in the code.
- 06 The structure has no G / X segment, so a G variant (with green/yellow protective core) and its X variant carry the same code. Five rows repeat the code of the row above, as they do in the source sheet. It also has no sheath-colour segment, so a future 600/1000 V colour variant would collide with this black sheet.
- 07 BS 6231 covers single-core PVC switch gear and control gear wiring cables — the subject of sheets CC-09 and CC-11 — while this sheet is a multicore flexible control cable. The claim is reproduced as written; confirm it applies.
- 08 Operation temperature reads Occasional flexing: -5°C to +70° C and Fixed installation: -40°C to +80° C in the source, with the degree sign detached from the upper value in both. Reproduced as written.
- 09 The source carries no current-carrying capacity, conductor resistance or de-rating table. This sheet therefore ends at dimensional data; the electrical tables are needed to complete it.
- 10 The supplied icon set has no ozone-resistance icon. The Ozone resistant tile is a labelled placeholder at icon size, awaiting an illustrated icon in the house style.
- 11 The source sheet's accreditation area carried a NABL laboratory mark. It has been removed and replaced with the ISI mark and the ISO 9001 badge, both printed on every sheet. No Indian Standard governs this product, so no BIS licence covers it: the licence line shows CM/L 6200267409, the company's own licence as carried on sheet CC-09, and it does not certify this product against IEC 60502-1 or BS 6231. Confirm the correct licence, or hide the line from Tweaks.
- 12 The ISO 9001 mark is a 52 × 53 px crop from a supplied screenshot and prints well below the resolution a 300 dpi sheet needs; supply a vector or print-resolution file. No RoHS or REACH mark is printed: no control-cable source sheet claims either, so the marks would be an unsupported compliance claim. Confirm whether the range is RoHS and REACH certified and supply those logo files if it is. The Make in India mark is a 76 × 39 px crop from a supplied screenshot and prints at roughly a quarter of the resolution a 300 dpi sheet needs; supply a print-resolution file or hold the mark off the sheet. The reference header shows a lockup carrying the tagline EVERY CONNECTION MATTERS. No supplied logo file contains it and the design system has no confirmed tagline, so the header prints the stacked lockup alone; supply that lockup, or confirm the tagline, to set it.